

REVENUE REPORT
ON THE
IRRIGATION WORKS
OF THE
AJMER-MERWARA DISTRICT,
FOR THE
YEAR ENDING 31ST MARCH 1910.



MOUNT ABU
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1911

RAJPUTANA AGENCY, Public Works Department, IRRIGATION BRANCH.

CHIEF COMMISSIONER'S REVIEW OF IRRIGATION WORKS, 1909-10.

No 57-S. of 1911.

Dated Mount Abu, the 27th January 1911.

READ.—

Endorsement No ^{216-F}₁₂ dated the 8th October 1910, from the Commissioner, Ajmer-Merwara, forwarding the Revenue Report on the Irrigation Works in Ajmer Merwara for the year 1909-10, together with the usual appendices

OBSERVATIONS.

1 The average rainfall during 1909-10 was 27.86 inches as against 32.65 inches in 1908-09 and a normal of 21 inches

2 From an irrigation point of view the year under report was an unusually good one

A record revenue was collected, but unfortunately working expenses were high. Consequently a low percentage of net revenue on capital has to be recorded

The financial result of the year are tabulated below —

Sub-Collectorate	TOTAL CAPITAL OUTLAY INCLUDING DIRECT CHARGES.		GROSS REVENUE COLLECTIONS.			WORKING EXPENSES			Net Revenue	Percentage of net revenue on capital at end of 1909-10
	During year	To end of year	Irrigation Rev- enue.	Miscellaneous Receipts.	Total.	Direct.	Indirect.	Total.		
Ajmer	2,692	19,18,235	62,703	1,918	64,650	16,744	2,029	18,773	15,878	0.85
Brewar	2,611	11,06,610	55,710	972	56,712	38,460	1,536	39,996	18,716	1.09
Tolgarh	2,779	4,74,158	27,000	217	27,257	7,402	296	7,698	19,559	4.12
Total for 1909-10	8,082	34,29,003	1,45,482	3,127	1,48,619	60,606	3,860	64,463	51,153	1.57
Total for 1908-09	7,570	34,21,001	1,35,750	3,273	1,39,023	53,207	2,066	55,333	57,775	2.41

A diagram of financial records up to 1909-10 is attached.

3. The following table compares the revenue assessed for the year with the area irrigated and protected:—

CULTIVATED AREA.	Irrigation Assessment.	Area.			Assessment per acre.
		Irrigated.	Protected.	Total.	
Ahera —	Rs. 31,344	12,632½	9,151½	21,784	23½
Devara —	32,927	6,171½	8,423	14,594½	33½
Devalga —	23,085	3,932	1,451½	5,383½	33½
Total for 1909-10 —	1,41,356	22,736	19,026	41,762	33½
Total for 1908-09 —	1,33,732	22,931½	19,303	42,234½	34½

The irrigation revenue assessed includes all assessments due to protected as well as irrigated areas and also the total yearly assessments of—

1. Rs. 33,732 on areas irrigated from wells and
2. Rs. 7,335 on account of difference between dry and wet rates.

4. Of the irrigated area, 9,387 acres were cultivated under *Sorghum* and 12,147 acres under *wheat* as compared with 8,913 and 12,822½ acres respectively in 1908-09.

Excesses in the amount of Rs. 14,687 were surrendered during the year. The amount of revenue demand at the end of the year aggregated Rs. 47,477.

5. The working expenses were distributed as follows:—

Details of Working Expenses.	1908-09.	1909-10.	Increase (+) or Decrease (—).
New works, maintenance and repairs	23,722	34,806	+ 11,084
Establishment —	21,387	34,373	+ 12,986
Tools and Equip. —	1,543	922	— 1,026
Leave and Pension allowances —	2,066	3,980	+ 1,914
Total — Rs.	48,638	64,186	+ 15,548

The working expense per acre irrigated and protected rose from 1-32 in 1908-09 to 2-27 in 1909-10, the increase being due to—

- a. Larger expenditure on new works on tanks as shown below:—

Under Sub-Subventures:—

Restoration and improvements to Sadapur Tank, No. 64-163.

Building embankment and painting the brick wall of Bambur Tank, No. 32-232.

Strengthening dam of Kolhapur Tank, No. 30-543.

Revolving water cushions and gates for the weir of Devalga Tank, No. 33-251.

Revolving a water cushion 2 feet deep, Ahera Tank, No. 1-1.

Under Sub-Subventures:—

Enlarging masonry sluices of Lusni Tank-II, No. 64-233.

Restoration and improvements of Amargadh Tank, No. 1-163, and

(b) Larger expenditure incurred on the following repairs —

Ajmer Sub Collectorate —

Repairs to Baroli New Tank No 110

Repairs to Kesarpura Tank No 60 548

Entertainment of gangs repairing tanks Nasirabad Sub Division

Repairing Kesarpura Tank No 60 1174

Repairing and improving Chichawas Tank No 27 762

Beawar Sub Collectorate —

Repairs to Kariyala Tank at Rajor No 116 333

Repairs to Gyanwala Tank, No 110 66 at Rampura

Repairs to Bichuchora Tank, No 115 73

C The value of crops raised on 41 590 acres during the year was estimated at Rs 10 15 249 a record figure. The principal crops were wheat barley, mixed grains, cotton and maize and their estimated values were Rs 2 70 557, 1,84 601, 1 63 012 2 39,719 and 71 457, respectively

7 Experimental cuttings of crops were made in both the Districts. In the Ajmer district five staples (barley, maize, cotton, bejhar and gujji) were tried and in the Merwara district five staples (barley, wheat, maize, cotton and gujji) were tried.

The results are tabulated below —

Sub-Divisions	Crops	HIGHEST PRODUCE PER ACRE										LOWEST PRODUCE PER ACRE									
		Grain					Straw					Grain					Straw				
		Md	a	Rs	a	p	Md	Rs	a	p	Rs	a	p	Md	a	Rs	a	p	Rs	a	p
Ajmer	Barley	35	0	60	0	39	15	0	63	0	31	0	32	0	8	0	18	0	0	0	0
Merwara	Wheat	15	30	47	4	37	3	3	50	12	50	0	30	5	0	10	0	3	0	0	0

Statement VI appended to the report shows in detail the result of the above experiments.

ORDERED — That this review together with the papers read in the preamble be printed, and 25 copies furnished to the Government of India under a covering letter, and that two advance copies be furnished to the India Office.

H S WILDEBLOOD MICE

Secretary to the Honble the Chief Commissioner
of Ajmer Merwara in the P W D

Note by Mr H S Wildeblood M I C E Superintending Engineer,
Rajputana Public Works Department, dated 8th November 1910,
on the attached diagram of financial records of the Ajmer-
Merwara tanks

1 The diagram shows that the sum at charge which means the capital outlay plus the annual financial losses on excess of interest and maintenance charges over receipts by Government has steadily increased from about 35 to 45 lakhs during the past 10 years. Of this the actual capital outlay accounts for an increase from about 28 to 34 lakhs and the average annual loss on interest and working, has been nearly half a lakh. During this period the percentage of net revenue on capital fluctuated between 1 and 3. This net revenue represents the difference between gross revenue and working expenses exclusive of interest and as interest charges are roughly about $3\frac{1}{2}\%$ the above net revenue is insufficient to cover them.

2 The value of the crops raised is another aspect of the question which mainly affects the inhabitants of the locality.

3 A possible justification for the increasing annual loss to Government and the general taxpayer would be a corresponding saving in famine relief expenditure but it is unfortunately not very clear that any such saving takes place for the simple reason that in a famine year when the rains fail the tanks are usually empty. They are therefore not famine protection works in the sense that canals fed from the Himalayan snows are. The result of the introduction of hundreds of tanks into Ajmer Merwara is to increase the population. This increased population has to be supported at Government expense in a famine year.

4 It is obvious that the annual loss to Government cannot be allowed to go on increasing indefinitely though it is not easy to suggest a remedy. There are however several alternatives which suggest themselves among which I should be inclined to put the following in the foreground.

- (a) The gradual replacement of the tail system by one of wells except in the case of tanks which are paying concerns.
- (b) The extension of forest area as a means of retaining the underground well water.
- (c) The building of masonry or puddle cross walls below ground level and across valleys with the same object.

5 I presume that the limit of desirable taxation of the benefitting landlords and tenants who raise the crops has been reached. This is a question for the revenue authorities.

H S WILDEBLOOD M I C E

Superintending Engineer P W D Rajputana

The Chief Commissioner is constrained to record his entire dissent from the personal views recorded in the above note by Mr Wildeblood. He considers that they indicate a completely erroneous view of the elementary meaning of a protective work.

The tanks in Ajmer Merwara have been constructed as protective works in a country which is peculiarly liable to famine and they have constantly justified their existence and the expenditure incurred on them notably in

1840, 1865, 1866, 1881, 1884, and 1888. These are only some well known instances. There have of course been years of deficient rainfall and famine, when the tanks have not filled ; but the fact that they have saved the situation in other years is sufficient, and besides this they add in normal years to the prosperity of the people, thereby giving them a better chance of withstanding scarcity or famine, when it occurs. The tanks, moreover, are admittedly of the greatest benefit in keeping up the water level of the wells situated below them. The addition of crops valued at over 10 lakhs as in the present year on tank lands only, must contribute largely to the power of resistance of the people, and there is a large area of well land which, though not included in the above, is indirectly dependent on tanks. The indirect benefits secured to the people by means of the tanks cannot be put into figures or shewn within the dry statistics of a report, but they are known to be very valuable. The argument used by Mr. Wildeblood based on the effect of tanks in increasing the population, is not a legitimate argument. It would obviously, if carried out to a logical conclusion, justify pure inaction in face of famine in a country where that calamity was to be expected.

The loss to Government in consequence of these tanks is not by any means so great as Mr. Wildeblood paints it. His high figures of annual loss are obtained by adding each year to the sum at charge the amount by which the profits fall short of normal profits. But there is no reason to calculate in this way. The following are the figures showing the percentage of net revenue on *capital outlay* during the last nine years:—

1901-02	...	...	3.00
1902-03	...	...	0.7
1903-04	...	...	2.6
1904-05	...	...	3.35
1905-06	...	...	1.53
1906-07	...	...	2.2
1907-08	...	...	2.35
1908-09	...	...	2.44
1909-10	...	...	1.57

If the unfavourable year, 1902-03, be excluded the return on capital outlay has averaged nearly $2\frac{1}{2}$ per cent., and it may safely be said that this is an extraordinarily high return to obtain on Protective Works.

The financial results of Protective Irrigation Works in the United Provinces for the same nine years show that the percentage of net revenue on capital outlay was a deficit quantity in 1901-02, 1902-03, and 1908-09, while in the remaining six years it averaged only .47.

The Chief Commissioner is of opinion that the tanks in Ajmer are a solid asset of great value to the Government and to the people, and that they have contributed largely to the security of the population against the miseries and risks of famine.

(Sd.) H. S. WILDEBLOOD,
*Secretary to the Hon'ble the Chief Commissioner
in the Public Works Department, Rajputana.*

REVENUE REPORT

ON THE

IRRIGATION WORKS

OF THE

AJMER-MERWARA DISTRICT

FOR THE

YEAR ENDING 31st MARCH 1910.

I Rainfall—The average rainfall during the year 1909-10 amounted to 27.86 inches as against 32.65 inches in the previous year and against a normal fall of 21 inches

From an irrigation point of view, the year under report was on the whole fair

II Classification of Tanks—There was no change in the classification of tanks during the year under report

III Capital Outlay—The total capital outlay to the end of March 1910 amounted to Rs 31,29,063. The expenditure incurred during the year was Rs 8,082 as detailed below—

DIRECT CHARGES—

Works establishment, tools and plant and suspense account, Rs 6,031

INDIRECT CHARGES—

Capitalization and leave and pension allowances „ 2,051

IV Assessed Revenue—The gross revenue assessed during the year under report is compared below with the figures of the previous four years—

	1904-09	1909-10
Ajmer	63,414	63,010
Merwara	75,259	79,860
P W D	237	469
Total	1,38,910	1,43,339

1909-10	Rs 1,43,339
1908-09	„ 1,38,910
1907-08	„ 1,45,410
1906-07	„ 1,41,463
1905-06	„ 83,156

The assessments of 1909-10 and 1908-09 for the different classes of tanks are compared in the following table—

Class of Tanks	1908-09			1909-10			Difference
	Ajmer	Merwara	Total	Ajmer	Merwara	Total	
	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Crop rate Tanks	4,768	10,820	15,588	6,030	14,185	20,215	+4,627
Variably assessed Tanks	34,478	19,663	54,141	34,013	20,419	54,432	+291
Fixed Tanks	6,038	17,759	23,797	5,592	18,039	23,631	-166
Share of well assessment and difference between wet and dry rates	15,976	27,217	43,193	15,976	27,217	43,193	
Miscellaneous	2,154		2,154	1,399		1,399	-755
Total	63,414	75,259	1,38,673	63,010	79,860	1,42,870	+4,197
ADD—amount realized by the Public Works Department	27	210	237	153	316	469	+232
Grand Total	63,441	75,469	1,38,910	63,163	80,176	1,43,339	+4,429

V. *Assessed area*.—The total area assessed for both the harvests amounted to 41,590 acres as against 39,698 acres in the preceding year. It is compared below with the figures of the previous five years:—

Years.	...	...	Acres.
1904-05	...	...	21,173
1905-06	...	...	11,866
1906-07	...	...	34,115
1907-08	...	...	38,103
1908-09	...	...	39,698
1909-10	...	...	41,590

The figures of the *kharif* and *rabi* cultivation of the two previous years are compared with those of 1909-10 in the following table:—

Years.		<i>Kharif</i> .	<i>Rabi</i> .	<i>Total</i> .
		Acres.	Acres.	Acres.
1907-08	..	18,340	19,763	38,103
1908-09	...	13,824	25,874	39,698
1909-10	...	15,579	26,011	41,590

VI. *Demand, Collections and Balances*.—The following table shows the figures of the demand, collections and balances of the year 1909-10 as compared with those of the five previous years:—

District or Tehsil.	Assessment of the year.	BALANCE OF LAST YEAR		Total.	DEDUCT FOR THIS YEAR.					Actual Collections.
		Due at the end of the year	Not due at the end of the year.		Balance due at the end of the year including suspensions.	Balance not due at the end of the year.	Remissions.	Adjustment of excess collections.	Total.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ajmer	63,010	6,577	28,143	97,730	2,514	28,234	2,486	...	33,234	64,496
Beawar	53,665	17,396	23,902	94,963	3,411	24,157	10,917	...	38,485	56,478
Todgarh	26,195	7,084	8,854	42,133	402	8,352	6,233	...	14,987	27,146
Total	1,42,870	31,057	60,899	2,34,826	6,327	60,743	19,636	...	86,706	1,48,120
Add—amount realised by the Public Works Department ...	469	...	...	469	...	...	...	...	...	469
Grand Total ...	1,43,339	31,057	60,899	2,35,295	6,327	60,743	19,636	...	86,706	1,48,589
Figures for.—										
1908-09	1,38,910	58,807	47,359	2,45,076	31,057	60,899	14,287	...	1,08,243	1,38,833
1907-08	1,45,410	41,509	44,394	2,31,313	58,807	47,359	6,936	...	1,13,102	1,18,211
1906-07	1,41,463	44,392	20,978	2,06,833	41,509	44,394	8,372	...	94,275	1,12,558
1905-06	83,156	24,435	23,380	1,30,871	44,392	20,978	3,608	...	68,978	61,893
1904-05	1,10,120	27,092	37,561	1,74,773	24,335	23,360	1,970	...	49,685	1,25,088

VII. *Remissions and Suspensions*.—Out of the total demand of Rs. 2,34,826, the amount remitted during the year was Rs. 19,636 excluding Rs. 89 on account of the year 1909-10, which will be taken into account next year.

VIII. *Working Expenses*.—The working expenses amounted to Rs. 94,466 as against Rs. 55,333 in 1908-09 and Rs. 37,852 in 1907-08. The details of expenditure in accordance with the statement furnished by the Examiner,

Public Works Accounts, are set forth below —

*Works and Repairs	Rs 54,808	(a) Revenue management	Rs 8,601
Establishment	" 26,375	(b) Cost of maintenance	" 82,005*
Tools and Plant	" 822	(c) Indirect charges	" 3,860
Total	Rs 82,005	Total	Rs 94,466

The expenditure of the year as compared with that of the previous year, shows an increase of Rs 39,133

IX *Percentage on Revenue and Area assessed*—The working expenses, which amounted to Rs 94,466, were below the gross revenue (Rs 1,43,339) assessed for the year under Report

The incidence of the working expenses on the area assessed was Re 1 on 44 acre

X *Net Revenue and the results of the year's working*—The net revenue was as under —

Revenue collections	Rs 1,48,589
Deduct—Working expenses	" 94,466

Net Revenue Rs 54,123

XI *Experimental cuttings*—During the year, experiments were made for ascertaining the outturn of cotton barley maize bejar gujji and wheat. The results are shown in Statement No VI prescribed under rule 53 of the Ajmer Irrigation Rules

XII *Measurement of water in wells*—The measurement of the spring level of 474 wells was taken in September 1909 and April 1910 by the Revenue department. These wells are classed as under —

	Benefitted by Tanks	Independent of Tanks.
Ajmer	66	38
Merwara	201	169
Total	267	207

Detailed information for Ajmer and Merwara regarding these wells will be found in separate Statement No VII appended to this report

XIII *Area and value of different kinds of crops*—The total area and estimated value of the produce of different kinds of crops irrigated in 1909-10 and 1908-09 are compared in the following table —

DISTRICT	CROP RATE TANKS		FIXED AND VARIABLE TANKS		TOTAL FOR 1909-10		TOTAL FOR 1908-09	
	Area	Estimated value	Area	Estimated value	Area	Estimated value	Area	Estimated value
	Acres	Rs	Acres	Rs	Acres	Rs	Acres	Rs
Ajmer	1,437½	40,016	19,412½	5,35,628	20,850	5,75,642	18,044½	4,62,000
Merwara	3,206½	82,145	19,101	3,57,462	22,307½	4,39,607	21,653	4,50,000
Total	4,644	1,22,161	38,513½	8,93,088	43,157½	10,15,249	39,697½	9,12,000

W C R STRATTON, Lt Col.,

Commissioner, Ajmer Merwara

IRRIGATION WORKS IN RAJPUTANA.

Memo explaining the increase in the working expenses of 1909-10, compared with those of 1908-09

Working expenses	1908-09	1909-10	Differences between actuals, 1908-09 & 1909-10	Explanation of Differences.
	Rs	Rs	Rs	
Extensions & Maintenance	29,722	54,808	25,086	Due to more expenditure on repairs to tanks in Ajmer and Beawar sub-collectorates
Establishment ...	21,697	34,976	13,279	Due to proportionate more charge on account of above.
Tools and Plant ...	1,845	822	-1,026	Under orders of the Local Administration the cost of Tools and Plant of Ajmer Provincial Division has been charged to civil works with effect from 1st April 1909, Rs 822 represents 1½ per cent on the outlay of Rs. 54,808 on account of Extensions and Maintenance
Leave & Pension allowances	2,066	3,860	1,794	Due to increase under establishment
Total ...	55,333	94,466	39,133	

M. W. CLIFFORD,

*Examiner, P. W. Accounts,
Rajputana and Central India*

Name of Works.	DURING THE YEAR.													TO END OF THE YEAR.												
	DIRECT CHARGES.													INDIRECT CHARGES.												
	DIRECT CHARGES.													INDIRECT CHARGES.												
	Works.	Establishment.	Tools and Plant.	Profit and loss.	Loss by exchange.	Suspense account.	Deduct receipts on capital accounts.	Total.	Capitalization.	Leave and Pension allowances.	Total.	Works.	Establishment.	Tools and Plant.	Profit and loss.	Loss by exchange.	Suspense account.	Deduct receipts on capital accounts.	Total.	Capitalization.	Leave and Pension allowances.	Total.	Grand Total.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
INOR WORKS & NAVIGATION,																										
Works in operation—																										
Tanks in Aimer Sub-Collectorate	1,722	828	26	...	...	...	2,576	...	2,576	...	116	116	2,692	14,51,173	3,05,199	17,199	3,518	167	...	17,80,276	990	17,79,286	20,154	18,815	68,999	18,18,285
" Beawar "	1,670	804	25	...	...	...	2,499	...	2,499	...	112	112	2,611	8,12,885	2,28,563	13,333	...	...	...	10,51,781	396	10,51,385	11,733	37,472	52,235	11,06,610
" Todgarh "	...	...	...	...	...	956	956	...	956	1,823	...	1,823	2,779	3,69,718	78,278	3,243	...	...	2,151	4,53,723	...	4,53,720	9,157	11,281	20,138	4,71,158
Total ... Rs.	3,392	1,632	51	...	...	956	6,031	...	6,031	1,823	228	2,051	8,082	26,36,806	6,12,050	33,775	3,518	167	2,151	32,88,777	1,386	32,87,391	41,034	97,698	1,41,692	31,29,083

I-C. Statement showing the financial results of Irrigation Works in Rajputana for the year ended 31st March 1910.
Realizations under main heads of Revenue and Working expenses

REVENUE.													WORKING EXPENSES.																
Name of Works.	ACTUAL RECEIPTS.													REVENUE MANAGEMENT.						MAINTENANCE.									
	Irrigation.			Navigation.	Plantations.	Water power.	Miscellaneous.	Total.	Refund of Revenue.	Gross Revenue, less Refunds.	Establishment.				Total Revenue management.	Establishment.						Total cost of maintenance.	Indirect charges.	Grand Total, Working expenses.	Net Revenue.				
	Water rates directly paid.	Share of Land Revenue.	Total.								Direction.	Executive.	Navigation.	Civil officers.		Medical.	Total.	Works.	Repairs.	Sundries.	Tools and Plant.					Plantations.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
MINOR WORKS & NAVIGATION. <i>Works in operation—</i>																													
Tanks in Aimer Sub-Collectorate	6,615	56,087	62,702	...	...	...	1,918	61,650	...	61,650	...	...	3,917	3,917	3,917	5,635	8,127	...	13,762	3,715	21,891	...	429	...	42,797	2,028	18,772	15,878
" Beawar "	10,677	45,063	55,740	...	...	...	972	56,712	...	56,712	...	...	3,013	3,013	3,013	4,101	6,319	...	10,760	7,120	15,212	...	335	...	38,417	1,536	37,996	18,716
" Todgarh "	3,291	23,746	27,040	...	...	...	217	27,257	...	27,257	...	...	1,611	1,611	1,611	763	1,100	...	1,863	303	3,567	...	58	...	5,791	296	7,698	19,559
Total ... Rs.	20,586	1,24,896	1,45,482	...	...	...	3,137	1,49,010	...	1,49,010	...	...	8,601	8,601	8,601	10,799	15,576	...	26,375	11,138	43,670	...	822	...	82,003	3,800	91,166	54,153

II-C.

Statement showing the financial results of Irrigation Works in Rajputana for the year ended 31st March 1910, based on actual receipts

Principal results of operation for the year ended 31st March 1910

1	2	3	4	5	6	7	SURPLUS REVENUE AFTER PAYING INTEREST ON DIRECT CAPITAL OUTLAY		EXCESS CHARGES IN-CLUD-ING INTEREST ON DIRECT CAPITAL OUTLAY	
							Amount	Percentage on total sum at charge	Amount	Percentage on total sum at charge
	Direct and Indirect Capital outlay to end of 1909 10	Gross receipts, Direct and Indirect, from all sources	Working expenses, Direct and Indirect	Net Revenue excluding charges for interest	Percentage of Net Revenue on capital outlay to end of the year	Interest at 5.508 per cent on the outlay to end of the year minus half the outlay of the year, excluding expenditure met from specific borrowings	8	9	10	11
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
MAJOR WORKS AND NAVIGATION Works in operation—										
	Tarls in Ajmer Sub Collectorate	18,48,285	48,772	15,878	86	59,705			43,827	2 37
	" Beawar "	11,06,640	37,996	18,716	1 69	55,864			16,048	1 50
	" Tohrih "	1,74,158	7,698	19,559	4 12	15,220	1,329	92		
	Total	34,29,083	94,466	54,153	1 58	1,10,229			56,136	1 64

M W CLIFFORD,

Examiner, P W Accounts Rajputana & Central India

IV C.

Statement showing the financial results of Irrigation Works in Ajmer-Merwara for the year 1900-10, based on assessment of the year 1317 Fashl
Principal results and operations for the year ended the 31st March 1910

CLASS OF WORKS	REVENUE ASSESSMENT DURING THE YEAR										Working Expenses, direct and indirect	Net assessed revenue of the year	Percentage on Capital Outlay to end of the year
	Capital Outlay direct and indirect to end of the year	DIRECT REVENUE			INDIRECT REVENUE			Grand Total					
		Water Revenue	Miscellaneous	Total	Water Revenue	Share of well assessment	Difference between dry and wet rates		Total				
CROP RATE TAXES		Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs			
Ajmer Sub Collectorate		5,763	267	6,030						6,030	720		
Beawar do		10,935	190	11,125						11,125	218		
Todgarh do		3,025	30	3,060						3,060	254		
Total		19,723	492	20,215						20,215	1,192		
FIXED AND VARIABLY ASSESSED OLD TAXES													
Ajmer		611	1,399	2,010	36,994	12,471	3,505	54,970	2	56,980			
Beawar		230	548	778	27,689	10,769	3,301	41,762		42,540			
Todgarh		92	71	163	9,828	12,558	580	22,972		23,135			
Total		933	2,018	2,951	76,511	35,798	7,395	1,19,704	2	1,22,055			
GRAND TOTAL		20,656	2,510	23,166	76,511	35,798	7,395	1,19,704		1,42,870	1,194		

W C R STRATTON, LT-COLONEL

Commissioner, Ajmer-Merwara

I. E.

Statement of Areas irrigated by Irrigation Works in the Ajmer-Merwara Districts during the year 1909-10.

AREAS IRRIGATED AND UNIRRIGATED (IN ACRES).										AVERAGE DIS-CHARGES PER C. FT. PER SECOND.				AREAS IRRIGATED PER CUBIC FOOT PER SECOND.				REMARKS.
CLASS OF WORKS.	KHARIF.		RABI.		Total.	Flow.	Lift.	DOUBLE CROPPED		AT HEAD.	UTILIZED.	DISCHARGED AT HEAD.	UTILIZED.					
	Irrigated.	Unirrigated.	Irrigated.	Unirrigated or Protected				Area Ir-rigated.	Percentage of Total area.					KHARIF.	RABI.	KHARIF.	RABI.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
CROP-RATE TANKS.																		
Ajmer ...	318	42	966½	111	1,437½	1,057½	227	20	156									
Beawar...	468½	54	1,685	237	2,441½	2,138½	15	241	1119									
Todgarh ...	106	13½	563	17	639½	472	137	90	1478									
Total ...	892½	109½	3,154½	365	4,521½	3,668	379	351	866									
FIXED AND VARIABLE ASSESSED TANKS.																		
Ajmer ...	3,149½	4,618	8,224½	3,420½	19,412½	10,849	525	5,333	4688									
Beawar ...	2,162	3,051½	5,156	3,080½	13,450	6,571½	746½	826	1128									
Todgarh ...	163	1,433	2,592	18	4,206	1,861	891	123	446									
Total ...	5,474½	9,102½	15,972½	6,519	37,088½	19,281½	2,165½	6,282	2929									
GRAND TOTAL ...	6,367	9,212	19,127	6,884	41,590	22,949½	2,544½	6,643	2605									

W. C. R. STRATTON, LT.-COLONEL,
Commissioner, Ajmer-Merwara.

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I-E

Statement of Area irrigated by Irrigation Works in the Ajmer Merwara Districts during the year 1909-10

NAME OF WORK	AREA IRRIGATED (IN ACRES)						AVERAGE DISCHARGE PER C FT PER SECOND				AREA IRRIGATED PER C FT PER SECOND				REMARKS	
	Kharif	Rabi	Total	Flow	Lift	Double cropped Area irrigated Percentage of total area	At head		Utilized		Discharged at head		Utilized			
							Kharif	Rabi	Kharif	Rabi	Kharif	Rabi		Kharif		Rabi
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bir Tank		370	370	370												{ Kharif Nil { Rabi 51 902 c ft
Rajosi Tank	18	168½	216½	216½												{ Kharif 61 978 , { Rabi 78 359 ,
Jaha New Tank	27½	712	1 016	1 016		127	12½									{ Kharif 35 379 , { Rabi 1,48 192 ,
Bahad new or old Tank	177	86½	1,041	1 038	3	93	8 93									{ Kharif 1½ 730 , { Rabi 66 161 "
Chitar Tank	1	28	29	28	1	1	3 45									{ Kharif No account { Rabi 92,989 "

H O SANDERS

Executive Engineer Ajmer Provl Division

BRIJ JEWAN LALL

Revenue Extra Asstt Commissioner,
Ajmer-Merwara

I. E.

Statement of Areas irrigated by Irrigation Works in the Ajmer-Merwara Districts during the year 1904.

CLASS OF WORKS.	AREAS IRRIGATED AND UNIRRIGATED IN ACRES										CUTTING OF CANALS				CUTTING OF CANALS				Total
	Kharif.		Rabi.		Total		Fert.		Total		At Head		At Tail		At Head		At Tail		
	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.	Irrigable.	Unirrigable.			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
GROUP-RATE TAXES.																			
Ajmer ...	318	12	973	111	1,457	1,677	22	1	156										
Beawar...	163	51	1,685	237	2,111	2,141	15	11	1,479										
Tolgath ...	103	13	63	17	79	72	17	3	112										
Total ...	584	76	2,651	365	3,421	3,75	54	15	2,99										
FIXED AND VARIABLY ASSESSED TAXES.																			
Ajmer ...	3,119	1,613	8,223	3,420	10,412	10,41	15	1	684										
Beawar ...	2,102	3,051	5,156	3,051	13,151	6,371	713	12	11,8										
Tolgath ...	163	1,433	2,592	18	4,203	1,541	121	121	443										
Total ...	5,471	9,102	15,972	6,519	37,064	19,241	2,177	25	29,59										
Grand Total ...	6,367	9,212	19,127	6,884	41,590	22,924	2,711	40	30,58										

W. C. R. STRATTON, Lt.-Colonel,
Commissioner, Ajmer-Merwara.

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I-E

Statement of Area irrigated by Irrigation Works in the Ajmer-Meerwar Districts during the year 1909-10

NAME OF WORK	AREA IRRIGATED (IN ACRES)						AVERAGE DISCHARGE PER C FT PER SECOND				AREA IRRIGATED PER C FT PER SECOND				REMARKS		
	Kharif	Rabi	Total	Flow	Lift	Double cropped Area irrigated Percentage of total area	At head		Utilized		Discharged at head		Utilized				
							Kharif	Rabi	Kharif	Rabi	Kharif	Rabi		Kharif		Rabi	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Bir Tank		370	370	370													{ Kharif Rabi Nil
Rajosi Tank	18	168½	216½	216½													{ Kharif Rabi 61 978 "
Jahia New Tank	27½	742	1,016	1 016		127	12½										{ Kharif Rabi 78 359 "
Balad new or old Tank	177	864	1,041	1 038	3	93	8 93										{ Kharif Rabi 35 379 "
Chutar Tank	1	23	29	28	1	1	3 45										{ Kharif Rabi 1,48 192 "
																	{ Kharif Rabi 11 730 "
																	{ Kharif Rabi 66,161 "
																	{ Kharif Rabi No account
																	{ Kharif Rabi 92,969 "

H C SANDERS,

Executive Engineer, Ajmer, Flood Division

BRIJ JEWAN LALL,

Revenue Extra Asstt. Commissioner,
Ajmer-Meerwar.

11-E.

Statement showing Incidence of Working Expenses and Assessed Water Revenue on Irrigation Works in Aimer-Merwara during the year 1909-10.

Class of Works.	Average dis-charge of the year at duct head in cubic feet per second.	WATER REVENUE ASSESSED.					Working expenses, direct and indirect.	Acres ir-ri-gated during the year.	WORKING EXPENSES.		WATER REVENUE PER ACRE IRRIGATED.		REMARKS.
		Direct.	Indirect.	Miscellane-ous.	Total.	Per cent. on Gross Revenue.			Per Acre Irrigat-ed.	Direct.	Indirect.		
1	2	3	4	5	6	7	8	9	10	11	12	13	
CROP-RATE TANKS.													
Ajmer Sub-Collectorate	...	Rs. 5,763	...	Rs. 267	Rs. 6,030	Rs. 720	Rs. 1,437½	11.94	50	4.01			
Beawar do.	...	10,935	...	190	11,125	218	2,444½	1.96	08	4.47			
Todgarh do.	...	3,025	...	35	3,060	254	639½	8.30	39	4.73			
Total	...	19,723	...	492	20,215	1,192	4,521½	5.89	26	4.36			
FIXED AND VARIABLY ASSESSED TANKS.													
Ajmer Sub-Collectorate	...	611	54,970	1,399	56,980	2	19,412½	...	...	03	2.83	
Beawar do.	...	230	41,762	548	42,540	...	13,450	...	...	02	3.10	
Todgarh do.	...	92	22,972	71	23,185	...	4,206	...	...	02	5.46	
Total	...	933	1,19,704	2,018	1,22,655	2	37,068½	...	...	02	3.23	
Grand Total	...	20,656	1,19,704	2,510	1,42,870	1,194	41,590	...	...	...	...

W. C. R. STRATTON, Lt.-Col.,

Commissioner, Aimer-Merwara.

IRRIGATION FORM II-E

Statement showing Incidence of Working Expenses and Assessed Rates Revenue on Tanks in Ajmer Merwara during 1909 10

NAME OF WORK	Average discharge of the year at Canal head cft per second	WATER RATE ASSESSED					Gross Assessed Revenue from all sources	Working Expenses, Direct and Indirect	Area Irrigated during the year	WORKING EXPENSES				OCCUPIERS RATE			TOTAL WATER RATE DIRECT OR INDIRECT		REMARKS
		Occupiers	Owners	Direct	Indirect	Total Direct and Indirect				Percentage on Gross Revenue	Per acre Irrigated	Per cubic foot discharge of Canal head	Per acre Irrigated	Per cubic foot discharge of Canal head	Per cubic foot discharge of Canal head	Per cubic foot discharge of Canal head	Per cubic foot discharge of Canal head		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Bir Tank					1,239		1,239	1,313	82	370	624	2216							
Rajosa Tank					815		815	851	84	2164	987	390							
Jala New Tank					5,181		5,181	5,253	74	1,016	140	728							
Bidal New or Old Tank					5,235		5,235	5,331	72	1,041	135	691							
Chilar Tank					115		115	153	72	29	4557	2183							

H U BANDERS,

Revenue Engineer, Ajmer Provincial Division

BRIJ JEWAN LALL,

Revenue Extra Assistant Commissioner,
Ajmer-Merwara

III-E.

Statement of Quantity and Value of Crops irrigated and unirrigated in the Ajmer-Merwara Districts during the year 1909-10.

NAME OF CROP.	CROP-RATE TANKS.						VARIABLE AND FIXED TANKS.						GRAND TOTAL.					
	AJMER SUB-COLLECTORATE.		BEAWAR SUB-COLLECTORATE.		TODGARH SUB-COLLECTORATE.		TOTAL.		AJMER SUB-COLLECTORATE.		BEAWAR SUB-COLLECTORATE.				TODGARH SUB-COLLECTORATE.		TOTAL.	
	Area.	Estimat- ed value.	Area.	Estimat- ed value.	Area.	Estimat- ed value.	Area.	Estimat- ed value.	Area.	Estimat- ed value.	Area.	Estimat- ed value.			Area.	Estimat- ed value.	Area.	Estimat- ed value.
Gardens and Orchards—																		
Vegetable, Fruit and other trees ...	4	351	...	...	10	361	69	3,223	...	...	79	2,343	148	5,566	152½	5,927
Sugarcane ...	...	...	264	240	...	504	...	...	...	...	15½	1,307	15½	1,307	18½	1,811
Wheat	159	5,287	16,751	9,320	8,19½	31,358	2,987	1,49,258	1,886	51,258	865½	38,653	5,729½	2,39,199	6,579	2,70,557		
Barley	409½	9,188	5,257	6,471	1,055½	20,916	3,677	94,818	3,075½	43,899	1,173½	24,968	7,926	1,63,685	8,981½	1,84,601		
Rice	...	...	...	53	6	53	23	820	10	36	41	419	74	1,275	80	1,328
Maize	17	200	564	568	...	1,332	2,829½	31,571	3,705½	30,566½	1,089	10,988	7,024	73,125½	7,825	74,457½		
Jowar	12	35	...	...	...	35	1,277	5,192	214	557½	26	165	1,517	5,914½	1,560	5,949½
Bajra	12	123	...	40	16	163	94	426	30	110½	1	10	125	56½	141	709½		
Mixed grains...	411	10,336	17,154	4,040	1,382	31,530	2,006½	76,610	2,493½	45,075	309	9,797	5,409	1,31,482	6,791	1,63,012		
Gram	18	474	117	...	29	591	1,417½	12,894	235	2,540	37	1,021	1,719½	16,455	1,748½	17,046		
Mung, Moth...	2	4	22	...	11	26	130	636	326	1,410½	38	222	494	2,268½	505	2,294½		
Fodder Crops—Lucerne, &c.	Less share on acre.	...	...	6	...	6	...	...	...	...	161	1,018	161	1,018	161	1,024
Fibres—Cotton	308	11,632	18,916	624	758½	31,172	2,978	1,33,265	1,749	70,762	94	4,550	4,821	2,08,577	5,579½	2,39,749		
Oil Seeds—Til	8	86	30	114	28	230	308	1,823	294	2,637	271½	4,653	933½	9,113	961½	9,343		
Drugs and Nar- cotics.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Opium	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Miscellaneous	77	2,290	1,368	216	256½	3,874	922	24,825	875½	8,299	14	197	1,811	33,321	2,068	37,195		
Land insufficiently irrigated	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	1,437½	40,016	2,567	60,443	639½	1,22,161	1,119,412½	5,35,626	14,895	2,57,151	4,206	1,00,311	38,513½	8,93,088	43,157½	10,15,249		

W. C. R. STRATTON, LT.-COL.,

Commissioner, Ajmer-Merwara.

IV - E

Comparative Statement of Irrigation and Rainfall for the year 1909-10 in the Ajmer Mervara Districts

Civil District	Of the Civil District			Works Supplying Irrigation	Culturable area commanded by the Irrigation Works in Column 8 in acres	Area at present estimated as annual by irrigation works specified in Column 8	Area Irrigated in Acres						Rainfall in Inches		
	Total area in acres	Culturable area in acres	Cultivated area in acres				No	NAME	1908 1909			1909 1910		1908 09	1909 10
									Kharif	Rabi	Total	Kharif	Rabi			Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CROP-RATE TANKS															
Ajmer Sub Collectorate				1	CROP RATE TANKS		1,122	50	950½	980½	818	900½	1,251½		
Bewar "							1,400	32	1,491	1,573	465½	1,655	2,138½		
Todgarh "							351	59½	515½	577½	106	508	609		
Total							3,273	141½	2,939½	3,081½	892½	3,154½	4,047		
VARIABLE TANKS															
Ajmer Sub Collectorate	3,55,097	1,10,003	1,71,819			7,157	11,154	2,032	7,555	9,578½	2,892	7,562	10,454	21 52	26 26
Bewar "	63,080	63,119	50,988			6,357	5,000	702	3,412	4,114	1,227	3,030	4,277	21 52	26 26
Todgarh "	1,72,228	32,800	21,332			740	981	131½	1,000½	1,159	30	590	950	21 52	26 26
Total	7,30,995	2,04,102	2,52,000			14,279	17,135	2,860	11,967½	14,827½	4,209	11,502	15,711	21 52	26 26
FIXED TANKS															
Ajmer Sub Collectorate				3	FIXED TANKS		2,399	180	612½	712½					
Bewar "							3,000	609	2,436	3,015					
Todgarh "							1,657	79	1,367	1,665½					
Total							8,356	518	4,634½	5,152½					
TOTAL							28,764	3,919½	19,542	23,361½	6,367	19,127	25,494		

RE—When a Civil District is irrigated from two or more Irrigation Works, Columns 7 & 8 inclusive, should be totalled separately for each Civil District so irrigated

W C R STRATTON, LT COLONEL,
Commissioner, Ajmer-Mervara

STATEMENT F.

Statement showing the Operations of Irrigation Works in the Ajmer-Merwara Districts for the year 1909-10.

CLASS OF WORKS.	AMOUNT DUE, 1909-10.						REMISSIONS.		SUSPENSIONS.		BALANCE.							
	Water Revenue.			Miscellaneous.	Share of well assessment.	Difference between wet and dry rates.	Total.	Kharif.	Rabi.	Kharif.	Rabi.	Water Revenue.		Miscellaneous.	Share of Chahi Assessment.	Difference between wet and dry rates.	Total.	
	Kharif Fasal.	Rabi.										Kharif.	Rabi.					
CROP-RATE TANKS.																		
Ajmer Sub-Collectorate ...	1,589	4,174		267	...	...	6,030	...	...	...	...	...	1,589	4,174	267	...	...	6,030
Beawar do.	2,384	8,551		190	...	...	11,125	...	...	...	...	...	2,329	8,551	190	...	...	11,070
Todgarh do.	476	2,549		35	...	...	3,060	...	...	...	...	...	476	2,549	35	...	...	3,060
Total ...	4,449	15,274		492	...	...	20,215	...	...	...	...	...	4,394	15,274	492	...	...	20,160
VARIABLE & FIXED TANKS.																		
Ajmer ...	15,545	2,460		1,399	12,471	3,505	56,980	...	...	...	...	...	15,545	24,060	1,399	12,471	3,505	56,980
Beawar ...	12,313	15,606		548	10,769	3,304	42,540	...	...	...	...	...	12,279	15,606	548	10,769	3,304	42,506
Todgarh ...	4,117	5,803		71	12,558	586	23,135	...	...	...	...	...	4,117	5,803	71	12,558	586	23,135
Total ...	31,975	45,469		2,018	35,798	7,395	1,22,655	...	...	...	...	...	31,941	45,469	2,018	35,798	7,395	1,22,621
GRAND TOTAL ...	36,424	60,743		2,510	35,798	7,395	1,42,870	...	...	...	...	...	36,335	60,743	2,510	35,798	7,395	1,42,781

*This has not been taken into account in Statement III-C, because the sanction of the higher authority to its remission was received after the close of the official year, 1909-10.

W. C. R. STRATTON, Lt.-Col.,
Commissioner, Ajmer-Merwara.

STATEMENT VI.

STATEMENT

Statement of Experimental cuttings of Crops in

TANK.	Village.	Name of Cultivator.	Harvest and Area of field.	Area cut.	Distance of Field from Tank.	Whether irrigated by lift, or flow, and number of waterings.	Weight of Grain cut.
1	2	3	4	5	6	7	8
AJMER TAHSIL.				Bis.	Feet.		Mds. s. c.
Sikolao ..	Ararka ...	Pertab ...	Cotton 1,293	5	363	Unirrigated.	0 14 13
Do. ...	Do. ...	Bacha, etc. ...	Barley 128	5	817	Thrice.	1 15 0
Ghugrawala ...	Ghugra ...	Dhanna ...	Maize 429	5	Connected with water	Once.	0 37 8
Do. ...	Do. ...	Amra ...	Barley 322	5		Tank twice.	1 0 0
Akhriwala ...	Akhri ...	Narsingh Das.	Maize 154	5	197	Flow twice.	0 15 0
Makarwaliwala...	Makarwali ...	Birdha, etc. ...	Maize 686	5	418	...	0 20 0
Do. ...	Do. ...	Sheonath ...	Bajar 772	5	2,706	Thrice.	1 10 0
Lohagalwala ...	Lohagal ...	Shera ...	Maize 574	5	574	Flow once.	0 22 8
Do. ...	Do. ...	Ganesha ...	Barley 515	5	1,585	" thrice.	0 33 8
Choursiawaswala.	Choursiawas ...	Pertab ...	Gujji 419	5	672	" "	0 30 0
Tilorniwala ...	Tilornia ...	Chaturpuri ...	Barley 387	5	207	Well four times	1 30 0
Baim ...	Chachiaswas ...	Roopa ...	Barley 469	5	924	Flow once.	0 37 8
Do. ...	Tihari ...	Bhagirath ...	Cotton 1345	5	500	Thrice.	0 38 8
Do. ...	Do. ...	Moolchand ...	Barley 1,091	5	400	"	2 20 0
Barlawala ...	Barla ...	Khunman ...	Cotton 610	5	300	"	2 0 0
Do. ...	Do. ...	Moti... ..	Barley 631	5	200	Thrice.	2 8 0
Ramsagar ...	Nareli ...	Kalla ...	Cotton 2102	5	300	Twice.	1 7 0
Do. ...	Do. ...	Panna ...	Maize 801	5	1,300	...	0 10 0
Do. ...	Do. ...	Makna ...	Barley 2002	5	250	Thrice.	1 25 0
Rasoolpurawala..	Rasoolpura ...	Sabdul Khan	Cotton 298	5	200	Twice.	1 9 0
Do. ...	Do. ...	Madari Khan.	Barley 317	5	250	Thrice.	1 15 0
Naya-talab ...	Sirinagar ...	Mota ...	Cotton 3190	5	1,800	Twice.	0 20 5
Do. ...	Do. ...	Mota ...	Gujji 3141	5	3,141	Thrice.	2 4 0
				Bis-wansi.			
Bara-talab ...	Balwanta ...	Jiwan ...	Cotton 892	6 1/4	2,882	Flow thrice.	0 0 0
Loharwarawala..	Loharwara ...	Shambhu ...	Cotton 2171	"	1,732	" "	0 0 0
Do. ...	Do. ...	Shewa s/o Moti	Barley 1603	"	1,217	" twice.	0 4 8
Ratakherawala...	Derathu ...	Sewa s/o Mota	Cotton 4819	"	1,517	"	0 0 0
Do. ...	Do. ...	Roopa ...	Barley 4795	"	1,552	Flow thrice.	0 5 4
Chatwala ...	Chat... ..	Dana ...	Cotton 273	6 1/4	699	" " ...	...
Ratakherawala...	Ratakhera ...	Khushal ...	Barley 163	6 1/4	312	" " ...	0 2 12
Jugpurawala ...	D h o l a D a n t a						
	Derathu ...	Ladoo Ram...	Bejar 237-205	6 1/4	45	" " ...	0 5 0
				Bis. Yards			
Shamla ...	Jethana ...	Sawai ...	Cotton 681	5	116	Thrice	0 32 0
Do. ...	Do. ...	Kajja Shah ...	Gujji 649	5	251	"	1 12 0
Phulsagar ...	Nagelao ...	Sheo Ram ...	Maize 888	5	25	"	3 0 0
Do. ...	Do. ...	Maha Ram ...	Wheat 892	5	150	"	2 20 0
Talab-kalan ...	Ramsar ...	Nand Ram ...	Maize 2,117	5	300	Flow	1 10 0
Do. ...	Do. ...	Bhirdha ...	Wheat 904	5	280	"	3 0 0
BEAWAR TAHSIL.				Big. Ris.			
Kalikankar ...	Lalpura Dhanar	Bhawana ...	Cotton 1 6	5	4,000	Twice	0 28 0
Do. ...	Dholadanta-I ...	Moti ...	Maize 3 3	5	4,475	Once	0 22 5
Jalia-II-wala ...	Jalia-II Bas Lala	Chimna ...	Wheat 1 15	5	1,100	4 times	0 25 0
Do. ...	Jalia Bas Roopa	Roopa ...	Gujji 0 14 1/2	5	900	"	0 30 0
TODGARH TAHSIL.				B's-wansi.			
Roopnagar ...	Kherai-kalan ...	Lakha ...	Barley 1 4 1/2	16 1/2	2,772	Flow	0 3 12
Do. ...	Do. ...	Kunpa ...	Wheat 1 8 1/2	16 1/2	19,80	"	0 3 12
Nadi Nala ...	Berar ...	Bhera ...	Barley 1 0	16 1/2	1,600	Well	0 4 8
Do. ...	Do. ...	Ganga ...	" 0 10	16 1/2	1,750	Flow	0 4 4
Manela ...	Bagar ...	Niba ...	Wheat 0 11 1/2	16 1/2	210	"	0 3 8

STATEMENT VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number. 1	Name of Villages. 2	Name of Tank. 3	NUMBER OF WELLS		Average distance of wells from Tank. 6	Average depth of wells excavated. 7	AVERAGE DEPTH. OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS.	
			Probably bene- fitted by Tanks. 4	Not benefited by Tanks. 5			September 1909.		April 1910.		Kharif. 12	Rabi. 13
							In Tank. 8	In Well. 9	In Tank. 10	In Well. 11		
1	2	3	4	5	6	7	8	9	10	11	12	13
	AJMER	TAHSIL.				Ft.	Ft.	Ft.	Ft.	Ft.	Big. Bis.	Big. Bis.
1.	Tilornian ...	Tilornianwala ...	3	...	1,496	52	1	39	...	33	8 9	12 1
			...	3	2,326	64	1	53	...	43	11 4	14 13
2	Gowarri ...	Ladpurawala ...	3	...	583	35	3	27	2	27	2 18	6 6
3	Bubaicha ..	Bubaichawala ...	3	...	3,395	71	1	27	...	25	4 11	9 0
4	Ladpura ...	Ladpurawala .	3	...	245	45	3	17	1	19	2 7	7 14
5	Kanpura ..	Ranisagar ...	4	..	863	28	...	8	...	11	...	3 2
	Do. ...	Kanpurawala ...	3	...	895	40	2	11	...	14	...	5 0
6	Srinagar Town.	Naya-talab ...	6	...	180	34	2	17	1	16	...	1 10
7	Jhilaora ...	Do. ...	3	...	233	21	2	9	...	9	...	5 0
8	Kanakheri	Birwala ...	2	...	...	32	1	11	...	13	2 10	5 0
			...	2	...	13	...	3	...	3	...	...
9	Tehari ...	Bhinai ...	3	...	66	19	2	11	...	10	...	...
10	Ajmer ...	Anasagar ...	3	...	880	63	5	49	4	36	3 0	4 13
			...	3	11,894	59	3	23	2	20	...	0 13
11	Makrera ...	Jadid ...	3	...	5,223	42	...	26	...	24	4 17	14 16
			...	3	2,057	26	...	17	...	15	...	9 7
12	Kiranipura	Nakawala ...	3	...	674	58	2	21	...	15	4 0	4 12
			...	3	1,395	65	2	12	...	10	...	2 7
13	Dabrela ...	Dabrelawala ...	3	...	536	36	...	...	3	34	...	10 0
			...	3	358	31	...	...	3	27	...	3 13
14	Ramsar ...	Kalan ...	3	...	428	31	...	...	4	28	...	5 0
			...	3	1,178	41	...	...	4	28	...	3 0
15	Ratakhera	Ratakherawala	...	3	1,826	44	4	27	...	23	0 10	1 1
			3	...	1,133	44	4	24	...	20	4 17	2 16
16	Derathu ...	Bawania ...	3	...	1,302	27	2	20	...	18	3 9	10 0
			...	3	2,062	30	2	19	...	17	1 4	1 15
17	Rajosi ...	Rajosiwala ...	3	...	1,981	29	8	27	2	25	3 0	2 15
			...	3	3,511	29	8	26	2	22	2 0	3 14
18	Nandla ...	Jalia ...	3	...	371	37	4	32	1	26	1 3	13 7
			...	3	4,610	27	4	24	1	17	...	15 5
19	Balwanta...	Bara-talab ...	3	...	426	25	3	23	...	17	1 17	3 12
			...	3	1,645	36	3	28	...	17	3 12	6 13
20	Lawera ...	Lawerawala ...	3	...	543	29	2	15	...	14	2 7	8 7
			...	3	3,834	22	2	7	...	7	0 17	0 14

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwata Districts during the year 1909-10

Number	Name of Village	Name of Tank	NUMBER OF WELLS		Average distance of wells from Tank	Average depth of wells excavated	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS	
			Probably benefitted by Tanks	Not benefitted by Tanks			September 1909		April 1910		Kharif	Rabi
							In Tank	In Well	In Tank	In Well		
1	2	3	4	5	6	7	8	9	10	11	12	13
	BFAWARTAHASIL					Ft	Ft	Ft	Ft	Ft	Big Bis	Big Bis
1	Kalikankar	Kalil ankarwala	1	1	531 6 035	50 47	5 5	15 15		11 2		7 1
2	Lalpura	Lalpurawala	2	2	6 325 6,293	28 39	5 5	14 22		6 11	7 7	5 1
3	Kabra	Kabrawala	3	3	975 1 403	33 70	3 1	24 26		19 17	1 6	16 4
4	Baneori	Baneoriwala	1	1	14 43	24 43	5	22 37		16 30	14 8	19 4
5	Kotra	Kotrawala	3	3	194 1,403	37 70	1 1	16 26		11 17	4 6	16 4
6	Sonjan	Sonjanwala	1		624	93		26		15	35	10
7	Baria	Baria Ajbawala	2	1	46 66	33 39		21 24		8 9	7 2	3 16
8	Chilabar	Chilabarwala	6		847	45	3	12		7	6	15
9	Nai Kalan	Nai Kalanwala	3		1,038	33	6	13		9	7	10
10	Jaha-II, Bas Rupa	Jaha II wala	2		276	31		26		15	3	4
11	Jaha II, Bas Pitha	"	1	1	792 855	39 35		35 23		17 15		3 3
12	Lusani II	Lusaniwala	3	1	259 254	29 12	3 3	15		12	2	17
13	Chitar	Chitarwala	3	3	723 2,614	38 34	7 7	8 8		4 4	12 10	10 14
14	Dewatan	Dewatanwala	1		60	36	4	13		8	15	1
15	Saroth	Sarothwala	3	3	1,399 1,914	38 28		6 6		6 5		
16	Bhuria Khura Khurd	Bhuria Khura Khurd wala	3	3	2,551 2,025	20 25		6 7		4 5	1	12
17	Jawaja	Jawajawala	3	3	909 2,813	43 44				20 15		
18	Narbad Khura	Narbadkherawala	3	3	1,115 1,165	31 56		14 33		9 15	0 5	8 11
19	Lotiana	Lotianawala	3	3	945 2,610	37 36		19 19		5 6	9 5	5 0
20	Baria Bhau	Baria Bhauwala	2	2	671 2,135	41 39		24 19		5 7		

STATEMENT. VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number. 1	Name of Village.	Name of Tank. 3	NUMBER OF WELLS		Average distance of wells from Tank. 6	Average depth of wells excavated. 7	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS.	
			Probably bene- fitted by Tanks. 4	Not benefitted by Tanks. 5			September 1909.		April 1910.		Kharif. 12	Rabi. 13
							In Tank. 8	In Well. 9	In Tank. 10	In Well. 11		
1		3	4	5	6	7	8	9	10	11	12	13
						Ft.	Ft.	Ft.	Ft.	Ft.	Big. Bis.	Big. Bis.
21	Sarbina ...	Sarbinawala ...	3	...	23	35	...	12	...	8	1 13	3 6
			...	2	180	43	...	11	...	5	4 17	1 0
22	Naharpura	Naharpurawala	...	3	250	57	...	12	...	12	...	2 5
23	Biliawas ...	Biliawaswala ...	3	...	966	41	...	29	...	10	2 15	4 0
			...	3	6,300	42	...	16	...	5	7 13	2 15
24	Shahpura...	Shahpurawala ...	2	...	65	32	...	11	...	5	11 10	3 10
			...	3	1,116	37	...	11	...	4	...	3 0
25	Nayakhera	Nayakherawala	2	...	75	38	...	15	...	9	6 10	5 10
26	Sangarwas	Sangarwaswala	3	...	237	43	...	17	...	12	5 0	1 0
			...	3	1,932	34	...	12	...	9	0 18	1 0
27	Deokhera...	Deokherawala ...	2	...	502	16	...	6	...	5	...	1 0
			...	3	1,565	48	...	15	...	10	7 0	4 0
28	Ramkhera Dhanar.	Ramkhera Dha- narwala.	...	3	1,382	34	...	19	...	10	13 7	8 0
29	Kalinjar ...	Kalinjarwala ...	...	3	3,166	41	...	7	...	12	2 5	2 0
30	Rajiawas ...	Rajiawaswala ...	3	...	20	25	...	4	...	7	...	...
			...	3	1,533	43	...	7	...	6	...	...
31	Raitankhera	Raitankherawala	3	...	717	34	...	3	...	3	3 8	1 0
			...	3	595	37	...	4	...	2	1 13	1 0
32	Andhideori	Andhideori ...	3	...	1,709	33	...	14	...	8	3 17	4 0
			...	3	3,447	38	...	18	...	12	4 15	3 0
33	Pakhariawas	Pakhariawaswala	...	3	1,467	46	...	11	...	10	7 19	5 0
34	Barkhala ...	Barkhalawala ...	3	...	2,764	23	...	6	...	5	2 10	1 15
35	Sedaria ...	Sedariawala ...	3	...	263	45	...	12	...	5	1 19	4 10
36	Atitmand	Atitmandwala...	1	...	396	41	...	23	...	10	5 16	3 0
			...	1	341	34	...	20	...	15	4 17	4 0
37	Mandera ...	Manderawala ...	2	...	12	21	...	8	...	7	2 12	1 1
			...	1	371	34	...	20	...	15	4 17	4 0
38	Baelan ...	Baelanwala ...	3	...	318	33	...	15	...	10	3 11	...
			...	3	2,035	40	...	24	...	15	4 16	2 0
39	Nundri Maldeo.	Nundri Maldeo- wala.	...	3	3,355	41	...	18	...	12	5 12	2 0
40	Balad ...	Baladwala ...	2	...	2,439	29	$\frac{1}{16}$	10	...	6	4 18	2 5
			...	2	5,125	39	$\frac{1}{16}$	17	...	5	12 16	7 0
41	Kaliawas ...	Kaliawaswala ...	2	...	3,967	42	...	14	...	12	5 8	4 0
			...	2	1,559	38	...	13	...	9	4 13	3 0

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909 10

Number	Name of Village	Name of Tank	NUMBER OF WELLS		Average distance of wells from Tank	Average depth of wells excavated	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS			
			Probably benefitted by Tanks	Not benefitted by Tanks			September 1909		April 1910		Kharif	Rabi	Big	Bis
							In Tank	In Well	In Tank	In Well				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
42	Sohawa	Sohawawala	1	3	1 043 790	51 28	Ft	Ft	6 3		4 2		Big 14 0	Bis 9 6
43	Rampur	Rampurawala	2		330	37		17		7	4	13	3	0
44	Lakhna Panna Baori	Lakhna Panna Baori	1	3	1,883 1,190	57 32		40 11		12 6			3 4	5 10
45	Shamgarh	Shamgarhwala	3	2	496 1,873	39 52		9 5		5 5	1	5 13	3 3	16 0
46	Kana Khara	Kanakherawala	3	1	617 772	48 25	4 4	8 6		8 5	1	14	4 1	0 0
47	Lulwa	Lulwawala	3	3	159 3,527	16 45		12 20		4 3	4	12 3	2 2	0 0
48	Dungarkhara	Dungarkherawala	3	3	77 354	27 28		12 9		6 4	5	8 9	3 1	10 0
49	Kheri ka Khara	Kheri ka Khara wala	3	3	577 3,170	30 40		7 7		8 8			4 3	18 7
50	Ratanpuraghata	Ratanpuraghata wala	3	1	1,183 950	26 40		8 8		10 11	4	7 1	3 1	7 0
51	Sawajna Chenpura	Sawajnwala	1	3	339 1,515	38 37		7 6		12 12			5 1	12 0
52	Beawar	Kal	3	3	1,014 227	41 39		12 16		3 3	5	12 8	5 13	0 0
53	Bhagwanpura	Bhagwanpurawala	3		1,637	39		11		3	8	0	3	0
54	Joharkhara	Joharkhara	3		937	40		17		6			0	18
55	Amargarh	Amargarhwala	2		1,596	33		19		10	3	10	3	10
56	Jamalpur	Jamalpur	4		267	35		13		8	4	0	5	3
57	Rupnagar	Rupnagar	3		3,002	46		25		5	4	1	4	0
58	Dungarkhara	Dungarkherawala	1		252	38		7		2	6	0	0	0
59	Thikrana Medratani	Thikranawala	2		630	24		5		5	9	10	10	6
60	Ratanpur Sardara	Ratanpurawala	2		751	45		10		9	4	3	1	0
61	Barkhala	Barkhala	3		685	32		14					3	0
62	Fatehgarh Salla	Fatehgarh	4		1,101	26		10						0
63	Sargaon	Sargaon	3		1,293	41		13						

STATEMENT. VII.

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10.

Number.	Name of Village.	Name of Tank.	NUMBER OF WELLS		Average distance of wells from Tank.	Average depth of wells excavated.	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS.	
			Probably benefitted by Tanks.	Not benefitted by Tanks.			September 1909.		April 1910.		Kharif.	Rabi.
							In Tank.	In Well.	In Tank.	In Well.		
1		3	4	5	6	7	8	9	10	11	12	13
						Ft.	Ft.	Ft.	Ft.	Ft.	Big. Bis.	Big. Bis.
21	Sarbina ...	Sarbinawala ...	3	...	23	35	...	12	...	8	1 13	3 6
			...	2	180	43	...	11	...	5	4 17	1 0
22	Naharpura	Naharpurawala	...	3	250	57	...	12	...	12	...	2 5
23	Biliawas ...	Biliawaswala ...	3	...	966	41	...	29	...	10	2 15	4 0
			...	3	6,300	42	...	16	...	5	7 13	2 15
24	Shahpura...	Shahpurawala...	2	...	65	32	...	11	...	5	11 10	3 10
			...	3	1,116	37	...	11	...	4	...	3 0
25	Nayakhera	Nayakherawala	2	...	75	38	...	15	...	9	6 10	5 0
26	Sangarwas	Sangarwaswala	3	...	237	43	...	17	...	12	5 0	1 0
			...	3	1,932	34	...	12	...	9	0 18	1 0
27	Deokhera...	Deokherawala ...	2	...	502	16	...	6	...	5	...	1 0
			...	3	1,565	48	...	15	...	10	7 0	4 0
28	Ramkhera Dhanar.	Ramkhera Dhanarwala.	...	3	1,382	34	...	19	...	10	13 7	8 0
29	Kalinjar ...	Kalinjarwala ...	...	3	3,166	41	...	7	...	12	2 5	2 0
30	Rajiawas ...	Rajiawaswala ...	3	...	20	25	...	4	...	7	...	...
			...	3	1,533	43	...	7	...	6	...	...
31	Raitankhera	Raitankherawala	3	...	717	34	...	3	...	3	3 8	1 0
			...	3	595	37	...	4	...	2	1 13	1 0
32	Andhideori	Andhideori ...	3	...	1,709	33	...	14	...	8	3 17	4 0
			...	3	3,447	38	...	18	...	12	4 15	3 0
33	Pakhariawas	Pakhariawaswala	...	3	1,467	46	...	11	...	10	7 19	5 0
34	Barkhala ...	Barkhalawala ...	3	...	2,764	23	...	6	...	5	2 10	1 15
35	Sedaria ...	Sedariawala ...	3	...	263	45	...	12	...	5	1 19	4 0
36	Atitmand	Atitmandwala...	1	...	396	41	...	23	...	10	5 16	3 0
			...	1	341	34	...	20	...	15	4 17	4 0
37	Mandera ...	Manderawala ...	2	...	12	21	...	8	...	7	2 12	1 1
			...	1	371	34	...	20	...	15	4 17	4 0
38	Baelan ...	Baelanwala ...	3	...	318	33	...	15	...	10	3 11	...
			...	3	2,035	40	...	24	...	15	4 16	2 0
39	Nundri Maldeo.	Nundri Maldeo-wala.	...	3	3,355	41	...	18	...	12	5 12	2 0
40	Balad ...	Baladwala ...	2	...	2,439	29	$\frac{1}{16}$	10	...	6	4 18	2 5
			...	2	5,125	39	$\frac{1}{16}$	17	...	5	12 16	7 0
41	Kaliawas ...	Kaliawaswala ...	2	...	3,967	42	...	14	...	12	5 8	4 0
			...	2	1,559	38	...	13	...	9	4 13	3 0

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909 10

No. meter	Name of Village	Name of Tank	NUMBER OF WELLS		Average distance of wells from Tank	Average depth of wells excavated	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS				
			Probably benefitted by Tanks	Not benefitted by Tanks			September 1909		April 1910		Kharif	Rabi			
							In Tank	In Well	In Tank	In Well					
1	2	3	4	5	6	7	8	9	10	11	12	13			
42	Sohawa	Sohawawala	1	3	1,043 790	51 28	Ft	Ft	6 8	Ft	Ft	4 2	Bis 14 0	Bis 9 6	Bis 4 0
43	Rampura	Rampurawala	2		380	37		17		7	4	13	3	0	
44	Lakhina Panna Baori	Lakhina Panna Baori	1	3	1,583 1,499	57 32		40 11		12 6			3 4	5 10	
45	Shamgarh	Shamgarhwala	3	2	126 1,673	39 52		9 5		5 5	1 1	5 13	3 3	16 0	
46	Kana Khera	Kanakherawala	3	1	647 372	48 25	4 4	8 6		8 5	1 1	14 0	4 1	0 0	
47	Lulwa	Lulwawala	3	3	459 3,827	46 45		12 20		4 3	4 3	12 3	2 2	0 0	
48	Dungarkhera	Dungarkherawala	3	3	77 354	27 28		12 9		6 4	5 3	8 9	3 1	10 0	
49	Kheri ka-khera	Kheri ka Khera wala	3		577 3,170	30 40		7 7		6 8	4 5	15 9	1 1	15 7	
50	Ratanpuraghata	Ratanpuraghatawala	3	1	1,183 950	26 40		8 8		8 10	4 4	18 7	4 3	10 7	
51	Sawajna Chenpura	Sawajnwala	1	3	383 1,515	38 37		7 6		11 12	1 1	8 1	1 1	0 0	
52	Beawar	Kal	3	3	1,014 227	41 39		12 16		1 3	5 8	12 0	8 13	0 0	
53	Bhagwanpura	Bhagwanpurawala	3		1,637	39		11		4	6	5	6	0	
54	Joharkhera	Joharkhera	3		937	40		17		3	8	0	3	0	
55	Amargarh	Amargarhwala	2		1,536	33		19		6			0	35	
56	Jamalpur	Jamalpur	4		267	35		13		10	3	10	3	15	
57	Rupnagar	Rupnagar	3	3	3,052	46		25		8	4	0	5	3	
58	Dungarkhera	Dungarkherawala	1		252	33		7		5	4	1	1	0	
59	Thikrana Medratan	Thikranawala	2		630	24		5		2	6	0	0	9	
60	Ratanpur Bardara	Ratanpurawala	2		751	40		10		5	9	10	10	0	
61	Barkhala	Barkhala	3		685	32		14		9	4	3	1	0	
62	Fatehgarh Salla	Fatehgarh	4		1,101	26		10		6			3	0	
63	Sargaon	Sargaon	3		1,293	41		13		7	12	0	9	0	

STATEMENT VII

Statement showing the Measurement of Water in wells benefitted by Tanks in the Ajmer-Merwara Districts during the year 1909-10

Number	Name of Village	Name of Tank	NUMBER OF WELLS		Average distance of wells from Tank	Average depth of wells excavated	AVERAGE DEPTH OF WATER MEASURED IN				AVERAGE AREA IRRIGATED BY WELLS			
			Probably benefitted by Tanks	Not benefitted by Tanks			September 1909		April 1910		Kharif	Rabi		
							In Tank	In Well	In Tank	In Well				
1		3	4	5	6	7	8	9	10	11	12	13		
17	Berar	Nadi Nala	3		990	50 6	Full	29 0	1/2 full	27 0	4 1	5 2		
			3		1,283	47 16	"	23 0	"	25 0	1 7	6 5		
18	Mandlan	Bhum	3		2,771	36 0	"	25 0	"	7 0		12 16		
			3		7,216	32 6	"	31 0	"	9 0		4 15		
19	Do	Mota Kanker	3		3,199	44 0	"	38 0	"	9 0		5 11		
20	Do	Phutel	3		7,146	38 8	"	33 0	"	7 0	1 12	3 15		
21	Kukerkhera	Devi Sagar	3		365	59 8	"	46 0	"	5 0	4 18	8 16		
			3		1,357	53 0	"	33 0	"	27 0	1 2	6 0		
22	Bara Khan	Kheronja	1		525	39 0	"	18 0	"	9 0	3 0	3 0		
			1		1,177	39 0	"	18 0	"	12 0				
23	Gogola	Bhum Gogola	3		343	26 4	"	12 0	"	9 0	3 8	3 8		
			1		822	37 0	"	16 0	"	13 0				

R A Press Abu No 9, Secy, P W D-55-1-11

BRIJ JEWAN LALL,

Revenue Extra Assistant Commissioner,
Ajmer Merwara

